

## DESCRIPTIONS OF NEW AUSTRALIAN LEPIDOPTERA.

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### BOMBYCINA.

#### ODONESTIS HILAROPA, n.sp.

♂. 30 mm. Head, thorax, palpi, legs and abdomen deep mahogany-red, posterior legs paler. Antennæ ferruginous, pectinations ochreous, at greatest length 8. Forewings elongate, moderate, rather short, costa nearly straight, hindmargin bowed; mahogany-red, deeper on basal half; a broad transverse median shade, anterior edge obscure, posterior edge moderately defined, from  $\frac{2}{3}$  of costa to beyond middle of inner margin, sinuate inwards on lower half; a curved transverse row of fuscous spots, from just before apex to just before anal angle; a reddish-fuscous hindmarginal line: cilia fuscous-reddish. Hindwings mahogany-red mixed with ochreous towards base; cilia as in forewings.

Cape York, Q.; one specimen, in December.

#### NOLA VERNALIS, n.sp.

♂. 20 mm. Head and thorax white. Palpi 4, white, strongly infuscated on sides. Antennæ whitish on basal half, ochreous on terminal half. Abdomen whitish. Anterior and middle legs fuscous, tibiae and tarsi obscurely ringed with whitish, posterior pair whitish. Forewings elongate-triangular, costa gently arched, hindmargin oblique, hardly rounded; whitish, irregularly suffused with fuscous; a short blackish dentate line at base of costa; a blackish line from costa at about  $\frac{1}{3}$ , commencing obliquely out-

wards on upper third, thence twice waved and terminating on inner margin at  $\frac{1}{4}$ ; a series of blackish elongate spots, starting from costa before middle, strongly curved around and ending on inner margin in middle, somewhat obscure on lower  $\frac{1}{3}$ ; a second row of similar, yet more elongate spots, starting from costa at  $\frac{3}{4}$ , and ending on inner margin at anal angle, almost parallel to previous row of spots; hindmarginal area of wing more fuscous; a row of obscure blackish hindmarginal spots: cilia fuscous, with dull whitish points at extremities of veins. Hindwings whitish, faintly infuscated around apex and upper half of hindmargin; a fine fuscous hindmarginal line; cilia whitish, fuscous-tinged.

Blackwood and Goolwa, S.A.; two specimens, in October.

### GEOMETRINA.

#### XANTHORHOE LYCHNOTA, n.sp. <sup>1</sup>

♂♀. 24-30 mm. Head, palpi and thorax light fuscous, mixed with ferruginous, palpi 2. Antennæ fuscous, in ♀ annulated with white, pectinations of ♂, 6. Abdomen greyish-ochreous, sprinkled with fine black scales. Legs dark fuscous, more or less banded with whitish-ochreous. Forewings elongate-triangular, hindmargin bowed, hardly waved; whitish-ochreous in ♀, in ♂ leaden-tinged, in both sexes strongly mixed throughout with fine bright reddish and black strigulæ, so as to appear almost wholly reddish-ochreous; costa strigulated with blackish throughout; a small black spot close to base; median band limited by well defined thick black lines, anterior from just before  $\frac{1}{3}$  of costa to  $\frac{1}{3}$  inner margin, hardly curved, somewhat irregularly dentate; posterior from just before  $\frac{2}{3}$  of costa to just beyond  $\frac{2}{3}$  of inner margin, median third forming a somewhat triangular projection, and a smaller projection immediately above inner margin; a large suffused blackish discal spot, sometimes followed beneath to inner margin by an obscure blackish shade; median band edged on either side by a strip of groundcolour of same width as limiting lines; groundcolour along hindmargin more ochreous; a hindmarginal row of black dots: cilia dark greyish-fuscous. Hind-

wings with hindmargin slightly waved, rounded; light fuscous, paler towards base and faintly strigulated throughout with dark fuscous. Undersurface ochreous; forewings with basal area and a broad ante-apical streak fuscous. Hindwings finely reticulated throughout with fuscous, and with a fuscous discal spot.

Broken Hill, N.S.W.; two specimens, in April and October.

An interesting and pretty species; the yellowish undersurface is a curious characteristic. The ♀ is much more gaily coloured than the ♂.

LEPTOMERIS HYPOCALLISTA, n.sp.

♂. 22 mm. Head, thorax, palpi and abdomen ochreous-ferruginous. Antennæ (broken), ciliations (?). Abdomen with a submedian band of darker fuscous. Forewings elongate-triangular, costa gently arched, hindmargin slightly rounded, oblique; ochreous-ferruginous, with fuscous markings, somewhat obscure, dentate; 1st line slightly curved outwards, from before  $\frac{1}{3}$  of costa to  $\frac{1}{3}$  of inner margin; median from  $\frac{2}{3}$  of costa to beyond middle of inner margin, preceded by a fuscous discal dot above middle and indented above inner margin to beneath discal dot; second parallel to median, from just before  $\frac{3}{4}$  of costa to  $\frac{2}{3}$  of inner margin; subterminal cloudy, waved; submarginal only faintly indicated; a hindmarginal row of blackish dots: cilia reddish, terminal third fuscous. Hindwings with hindmargin rounded; colour somewhat lighter than forewings; markings as in forewings, but discal dot well marked; cilia as in forewings. Undersurface bright reddish-orange, markings of upperside reproduced, and hindmarginal dots very distinct.

Goolwa, S.A.; six specimens, in January.

In the *rubraria* group.

DIASICTIS EPIDESMA, n.sp.

♀. 30 mm. Head, thorax and palpi deep chocolate. Antennæ ochreous. Abdomen fuscous, anal tuft ochreous. Legs ochreous, finely irrorated with fuscous and dark fuscous. Forewings elongate-triangular, hindmargin angularly projecting in middle,

upper half slightly concave; deep chocolate; costal edge obscurely yellowish and strigulated with blackish; a row of small white dots, placed on a narrow blackish shade, from beneath  $\frac{3}{4}$  of costa to  $\frac{3}{4}$  inner margin, three median spots edged anteriorly with black; a row of obscure black dots along hindmargin; some minute white scales along hindmargin: cilia deep chocolate. Hindwings with hindmargin rounded, faintly waved; dark fuscous, somewhat purplish-tinged and becoming greyish on basal third; a hardly perceptible waved blackish postmedian line; some chocolate scales along inner margin; an obscure blackish hindmarginal line; cilia as in forewings.

Exeter, S.A.; one specimen, in November. (Type in *Coll. Harold Lower*).

AMELORA TETRACLADA, n.sp.

♂. 40 mm. Head and face ochreous-ferruginous, forehead with a large scoop-like horny projection. Antennæ ochreous-fuscous, pectinations 4, ochreous. Thorax shining white, anteriorly pale yellow, patagia pale yellow. Abdomen ochreous-white, beneath silvery-white. Legs ochreous-fuscous. Forewings elongate-triangular, apex round-pointed, hindmargin bowed; silvery-white, with light ochreous-fuscous markings; 4 longitudinal thick streaks; 1st from before middle of costa to apex, anteriorly attenuated, and gradually dilated posteriorly; costa between this line and base narrowly ochreous; 2nd from base to above middle of hindmargin, slightly curved and dilated posteriorly; 3rd from base to hindmargin above anal angle, at base connected with second streak; 4th from base along inner margin to anal angle, narrowed anteriorly; an ochreous-fuscous hindmarginal line, slightly dilated on upper third: cilia light ochreous-fuscous. Hindwings with hindmargin somewhat rounded; white; a large black apical spot, with three obscure teeth, apices hindmarginal, continued more or less as a suffused hindmarginal fascia to anal angle, becoming somewhat obscure in middle; cilia white. Underside of forewings fuscous on basal half, markings of upper-

side obscurely reproduced; a large black apical spot. Hindwings white, with a large blackish apical spot and a small blackish spot on hindmargin near anal angle.

Broken Hill, N.S.W.; one specimen at light, in May.

*AMELORA PARONYCHA*, n.sp.

♀ 40 mm. Head and face dull ochreous, forehead with a prominent broad scoop-like horny projection. Thorax grey, anteriorly dull ochreous, patagia dull ochreous. Abdomen ochreous-white. Antennæ ochreous. Legs ochreous, coxæ white. Forewings elongate-triangular, apex round-pointed, hindmargin bowed; silvery-white, with light fuscous markings; a thick streak along costa from base to apex, emitting from its lower edge at  $\frac{1}{3}$  a thick furcate streak, upper fork terminating on middle of hindmargin, lower on hindmargin above anal angle; a strong thick oblique streak from lower edge of costal streak at  $\frac{5}{6}$  to hindmargin immediately above termination of upper fork of furcate streak; a thick streak along inner margin to anal angle: cilia ochreous, (imperfect). Hindwings with hindmargin rounded, faintly waved; white, somewhat tinged with light greyish-ochreous; a moderate blackish subapical spot, indented in middle, and continued very narrowly as a hindmarginal streak to anal angle. Undersurface white; hindwings with a moderate black subapical blotch.

Broken Hill, N.S.W.; one specimen at light, in May.

Recalls *Thalaina Clara*, Walk., in general appearance and markings; it may ultimately prove to be the ♀ of *tetraclada*, although I must admit that I have no justifiable ground for considering it so, as I know of no species (and I possess the whole of the known species of both *Thalaina* and *Amelora*) in which the sexes differ to such an extent. The present and the preceding species form a valuable connecting link between the two above-mentioned genera, and at first sight either of them could very easily be mistaken for species of *Thalaina*, but the bipectinated antennæ of the ♂, and the curious frontal projection of the head unquestionably refer them to *Amelora*, their nearest ally being *leucaniata*, G'n.

## PYRALIDINA.

## HYP SOPY G I A C O S T A L I S, Fab.

(*Pyralis costalis*, Fab., Ent. Syst. No. 420; *P. fimbrialis*, Schiff., Wien. Verz. p. 124; *P. aurotenialis*, Chr., Bull. Mosc., 56, i. (var.); *P. hyllalis*, Walk., xvii. p. 265 (var.); *P. rubrociliialis*, Staud., Hor. Ent. Ross., 1870, p. 181.)

Cooktown and Mackay, Q.; ten specimens, in November. Not previously recorded from Australia.

## S C O P A R I A M E S O G R A M M A, n.sp.

♀. 20 mm. Head, thorax, palpi and antennæ ashy-grey-whitish, thorax more whitish in middle, palpi whitish at base. Abdomen fuscous, basal segment orange. Legs ashy-grey-whitish, posterior pair whiter, tibiæ fuscous with whitish rings. Forewings elongate, moderate, slightly dilated posteriorly, costa gently arched, hindmargin obliquely rounded; ashy-grey-whitish; a well defined black streak above middle of wing, from base to end of cell, anteriorly attenuated, and somewhat curved upwards on anterior third; a fine black line beneath streak, from base to before middle, edged above by its own width of whitish; a row of elongate black spots along hindmargin, between veins: cilia ashy-grey-whitish. Hindwings rather dark fuscous, lighter basally; cilia whitish, with a dark fuscous basal line, and a fuscous terminal line.

Broken Hill, N.S.W.; two specimens, in August.

Allied to *lichenopa*, Lower.

## TORTRICINA.

## A T E L O D O R A A G R A M M A, n.sp.

♀. 11 mm. Head, palpi, thorax, palpi and antennæ bronzy-fuscous. Legs fuscous-whitish, abdomen fuscous. Forewings elongate-oblong, rather broad, costa arched at base, thence nearly straight, apex nearly rectangular, hindmargin oblique, rounded

beneath; fulvous, somewhat shining and wholly irrorated transversely with rows of minute fuscous dots; posterior half of costal edge finely dull ochreous; an elongate fuscous mark lying on inner margin at  $\frac{1}{4}$ ; cilia bronzy-fuscous, becoming dark fuscous on basal half. Hindwings bronzy-fuscous; cilia fuscous with a greyish parting line near base.

Burnside, S.A.; two specimens, in October.

ANATROPIA PENTACOSMA, n.sp.

♂. 12 mm. Head, thorax, palpi and antennæ ochreous-whitish, tinged with ferruginous, patagia ferruginous-ochreous. Legs fuscous, tibiæ and tarsi banded with ochreous-whitish (abdomen broken). Forewings elongate, moderate, costa nearly straight, slightly arched at base, hindmargin obliquely rounded, gently sinuate beneath apex; basal patch ochreous-whitish, containing two transverse ochreous-ferruginous fasciæ, first basal, darkest; second starting from middle one of 3 costal spots, gently curved outwards and ending on inner margin at  $\frac{1}{6}$ ; posterior edge of basal patch from  $\frac{1}{4}$  of costa to before middle of inner margin, with two indentations above middle and on fold; a broad dull purple-blackish transverse fascia just before middle, anterior edge well defined, posterior edge somewhat lighter and suffused, especially on lower  $\frac{2}{3}$ ; a somewhat trapezoid apical patch of fuscous; groundcolour between fascia and apical patch whitish with some scattered spots of dull leaden, especially towards inner margin; two moderate fuscous spots on costa, between fascia and apical spot; followed by about 7 fuscous spots along apical portion of costa, thence continued along hindmargin to above anal angle, gradually diminishing in size towards anal angle: cilia ochreous, mixed with blackish and with a dull leaden basal line. Hindwings with hindmargin somewhat sinuate beneath apex; fuscous spotted with darker, lighter towards base; cilia light fuscous, with darker fuscous basal and subterminal lines.

Blackwood, S.A.; one specimen, in April.

Closely allied to *chlorobathra*, Meyr., of which it may prove to be a variety; but it appears distinct by the broader basal patch

## TORTRIX ARGYRASPIIS, n.sp.

♂. 18 mm. Head, palpi, thorax and antennæ ochreous-fuscous, face lighter. Abdomen greyish. Anterior legs ochreous-fuscous, middle and posterior pair whitish-ochreous. Forewings elongate, moderate, costa rather strongly arched, hindmargin oblique, slightly sinuate beneath apex; ochreous-ferruginous with silvery markings, finely edged with blackish; costal edge finely dark fuscous from base to middle; a moderately broad streak, from base in middle to before  $\frac{1}{3}$  of wing, thence obliquely deflected and ending on inner margin in middle, somewhat dilated on inner margin; a broad, somewhat suffused streak from middle of wing, gently curved downwards and ending on hindmargin above anal angle; a moderately well defined streak from just beyond middle of costa, strongly sinuate downwards and ending on apex, becoming somewhat narrowed on sinuation; two oblique silvery flecks in sinuation, just below costa, edged by fine black lines beneath: cilia reddish-ferruginous, with a silvery tooth at apex, caused by continuance of sinuate streak. Hindwings fuscous, slightly ferruginous-tinged; cilia light ferruginous-fuscous, with a darker subbasal line.

Brisbane, Q.; one specimen, in December.

In the neighbourhood of *anlacana*, Meyr.

## TINEINA.

## OECOPHORIDÆ.

## EOMYSTIS ASTEROPA, n.sp.

♂. 12 mm. Head and thorax ochreous, thorax whitish in middle. Antennæ and palpi ochreous-whitish, palpi with fuscous bands, more prominent on terminal joint. Legs and abdomen ochreous-yellow. Forewings elongate, moderate, costa gently arched, hindmargin obliquely rounded; ochreous, strongly mixed with fuscous and rosy-fuscous, lighter on basal third; posterior half of costa ochreous-rosy; six equidistant fuscous dots on costa,



between base and before apex, from each of which proceeds an obscure waved oblique fuscous line; a large round silvery-white spot, at  $\frac{1}{3}$  from base; a second immediately below, only separated by a fine line of groundcolour, both edged anteriorly by the second oblique line from costa; a larger similar silvery-white spot at end of cell, broadest above, edged anteriorly by 4th costal streak; a row of yellowish spots around apical fifth of costa and hindmargin: cilia yellow, strongly mixed with rosy, base with a few fuscous-purple scales. Hindwings yellowish-ochreous, faintly rosy-tinged: cilia yellow.

Mackay, Q.; one specimen, in December.

Easily recognised by the large silvery-white spots.

#### HOPLITICA HABROPTERA, n.sp.

♂. 16 mm. Head, thorax, palpi and antennæ reddish-ochreous, second joint of palpi whitish at base, antennæ sharply annulated with fuscous. Abdomen ochreous. Anterior legs reddish, with ochreous rings on tibiæ, middle and posterior legs yellowish. Forewings elongate, moderate, costa gently arched, hindmargin obliquely rounded, 7 to apex; reddish-ochreous, with very obscure dull fuscous-purple markings; a broad irregular fascia at base, broken in middle; a second, more oblique, from  $\frac{1}{3}$  of costa to  $\frac{1}{4}$  inner margin, broken above and below middle; a third, similar fascia, from  $\frac{3}{4}$  of costa to beyond middle of inner margin, emitting a fine curved line from its posterior edge, and ending on anal angle; a fine hindmarginal line: cilia reddish-ochreous, tips ochreous-yellow. Hindwings and cilia light yellow.

Brisbane, Q.; one specimen, in March.

#### EULECHRIA SCIOPHANES, Meyr.

Proc. Linn. Soc. N.S.W. 1883, p. 323.

Broken Hill, N.S.W.; five specimens, in March and October. Not previously recorded from New South Wales.

## EULECHRIA AUTOPHYLLA, Lower.

Proc. Linn. Soc. N.S.W. 1899, p. 105.

By an unfortunate error this was described as *autophylla*, a name already preoccupied by a West Australian species; it should have read *autophyla*.

## EULECHRIA LEPTOMERA, n.sp.

♂. 20 mm. Head, thorax, antennæ and palpi black. Abdomen and legs dark fuscous, posterior legs whitish-fuscous. Forewings elongate, moderate, costa gently arched, apex somewhat pointed, hindmargin very oblique; blackish, sparsely irrorated with dull whitish scales, base of wing more blackish; an obscure blackish dot at end of cell: cilia dark fuscous, mixed with some dull whitish scales at base. Hindwings dull orange; cilia fuscous, mixed with ochreous at base.

Gisborne, Vic.; one specimen, in October.

## PHILOBOTA MICRASTIS, n.sp.

♂. 10 mm. Head, thorax and palpi ochreous-whitish, second joint of palpi fuscous at base externally. Antennæ ochreous-fuscous, basal joint dark fuscous. Legs and abdomen ochreous-grey. Forewings elongate, moderate, rather short, costa gently arched, hindmargin obliquely rounded; ochreous-whitish, more or less suffused with fuscous; markings fuscous, moderately well defined; a small spot at base of costa, sometimes continued to inner margin; a small spot in disc at  $\frac{1}{3}$ ; a second, below and beyond, and a third larger, at end of cell; a row of small dots commencing on costa at  $\frac{3}{4}$ , continued obliquely outwards towards hindmargin, thence curved round and ending on inner margin before anal angle: cilia ochreous-fuscous, mixed with blackish points. Hindwings pale grey-whitish; cilia greyish-ochreous.

Glenelg, Semaphore and Parkside, S.A.; several specimens, in October.

## PHILOBOTA PARAGYPSA, n.sp.

♂. 16 mm. Head and thorax white. Antennæ and palpi fuscous, second joint of palpi whitish at apex, terminal joint

mixed with whitish. Legs fuscous, posterior pair whitish. Abdomen greyish-ochreous. Forewings elongate, moderate, costal gently arched, hindmargin obliquely rounded; white, with dull ochreous-fuscous markings; costal edge narrowly fuscous, from base to  $\frac{2}{3}$ ; a suffused spot in cell at  $\frac{1}{3}$  from base; a second, larger, just below and slightly beyond; a flattened spot on costa at  $\frac{3}{4}$ ; an ante-apical streak, continued obliquely across wing to above anal angle, where it forms a large spot, which almost touches first costal spot; a row of suffused and interrupted spots along hindmargin, upper largest, and sometimes confluent with ante-apical spot: cilia white, with fuscous median lines. Hindwings light ochreous, or ochreous-fuscous; cilia greyish-ochreous.

Semaphore, S.A.; several specimens, in November.

*PHILOBOTA* (?) *TETRASPORA*, n.sp.

♀. 30 mm. Head, palpi, and thorax dull fleshy-carmine, second joint of palpi fuscous at base beneath. Antennæ dark fuscous, basal joint fleshy-carmine. Abdomen greyish-fuscous. Anterior and middle legs dull fleshy-carmine, posterior pair ochreous, anterior and middle tarsi fuscous, with whitish rings. Forewings elongate, moderate, costa gently arched, apex rounded, hindmargin obliquely rounded, 2 from angle, 7 to hindmargin; dull fleshy-ochreous; a moderate ferruginous spot in disc just beyond  $\frac{1}{3}$  from base; a second, smaller, immediately below; a third, larger, at end of cell, and a fourth, more obscure, below and beyond; a hindmarginal row of small fuscous dots, becoming obsolete on lower third: cilia fleshy-carmine, tips darker. Hindwings greyish-ochreous, somewhat fuscous-tinged; 3 and 4 short-stalked; cilia greyish-ochreous, infuscated at base.

Derby, W.A.; one specimen, in March.

Placed in the genus *Philobota* provisionally; a new genus will no doubt be required to receive it, but in the absence of the ♂ it is desirable to refrain from forming one at present.

*OECOPHORA* *EUSEMA*, n.sp.

♂♀. 14-18 mm. Head ochreous. Thorax, palpi and antennæ ochreous-fuscous, patagia light ochreous, palpi beneath light

ochreous. Abdomen greyish. Legs ochreous, somewhat banded with fuscous. Forewings elongate, moderate, costa gently arched, hindmargin obliquely rounded; dull ochreous, somewhat bronzy; markings blackish; a moderately thick basal streak; a moderate spot on disc before middle; a second, similar, just below, and a much larger one at end of cell; veins towards hindmargin somewhat outlined with fuscous, but this is sometimes absent; a suffused row of hindmarginal spots: cilia ochreous-fuscous, tips greyish. Hindwings greyish-fuscous; cilia ochreous, tips greyish.

Broken Hill, N.S.W.; eight specimens, in October and November.

Superficially extremely similar to *Sphyrrelata ochrophua*, Meyr., but easily separated from that species by the stalking of veins 2 and 3 of forewings.

MACHAERITIS XERODES, n.sp.

♂♀. 9-10 mm. Head white. Thorax brownish-ochreous. Palpi, antennae and legs fuscous, palpi internally somewhat whitish, antennae obscurely annulated with whitish, basal joint blackish. Abdomen fuscous, basal segment yellowish. Forewings elongate, moderate, rather narrow, costa gently arched, apex somewhat pointed; whitish, minutely irrorated with fuscous and blackish scales, excepting an obscure longitudinal streak of whitish, from base in middle to anal angle; between termination of streak and apex of wing the groundcolour becomes more blackish; extreme costal edge obscurely whitish: cilia greyish, mixed with fuscous scales at base. Hindwings lanceolate; light fuscous-greyish; cilia greyish.

Broken Hill, N.S.W.; common, in August and September.

MACROBATHRA ZONODESMA, n.sp.

♂. 10 mm. Head, thorax and palpi white, thorax anteriorly narrowly dark fuscous, second joint of palpi with a broad fuscous apical ring, terminal joint fuscous on apical  $\frac{1}{2}$ . Antennae fuscous, annulated with white, basal joint black. Abdomen fuscous,

mixed with ochreous and whitish. Anterior legs ochreous-whitish, middle and posterior pair silvery-whitish, all tarsi banded with blackish. Forewings elongate-lanceolate; dark fuscous, with whitish-ochreous markings; a small spot at base; a moderately broad oblique fascia, from costa at  $\frac{1}{4}$  to inner margin at  $\frac{1}{4}$ ; a small triangular spot on costa about middle; a similar spot immediately below on inner margin, and just before anal angle; a small spot on inner margin just beyond; a cuneiform spot on costa at apex: cilia dark fuscous, becoming whitish on inner marginal triangular spot. Hindwings dark fuscous, somewhat bronzy; cilia fuscous, becoming ochreous at base.

Broken Hill, N.S.W.; two specimens, in October.

MACROBATHRA EUDESMIA, n.sp.

♂. 10 mm. Head and palpi white, terminal joint of palpi infuscated. Antennæ fuscous-whitish, basal joint black. Thorax blackish, suffused with grey-whitish in centre, patagia white. (Abdomen broken). Legs blackish, irregularly banded with white. Forewings elongate-lanceolate; black, with white markings; a moderately broad oblique fascia, from costa at  $\frac{1}{3}$  to inner margin at  $\frac{1}{3}$ ; a subtriangular spot on costa beyond middle, a second, similar, beyond middle of inner margin, near  $\frac{3}{4}$ ; a third, larger, on costa before apex, reaching more than half across wing: cilia fuscous, with some blackish scales at base. Hindwings light fuscous; cilia greyish-ochreous.

Duaringa, Q.; two specimens, in February and September.

Not unlike a dwarfed specimen of *argonota*, Meyr.; but the antennæ are not white.

MACROBATHRA MICROSPORA, n.sp.

♀. 8 mm. Head dull whitish. Thorax fuscous, patagia whitish. Palpi fuscous, whitish internally, with a fuscous band at extremities of joints. Antennæ fuscous, basal joint black. Abdomen greyish-fuscous. Legs blackish, irregularly banded with white. Forewings elongate-lanceolate; black, markings

white; a moderate oblique fascia, from before  $\frac{1}{4}$  of costa to before  $\frac{1}{4}$  inner margin; a second similar fascia, from beyond middle of costa to beyond middle of inner margin; a small flattened triangular mark on costa at  $\frac{5}{6}$ ; a small round spot on inner margin before anal angle: cilia fuscous. Hindwings very narrow; dark fuscous; cilia fuscous, lighter at base.

Mackay, Q.; one specimen, in October.

Somewhat allied to the preceding.

#### GELECHIADÆ.

##### PALTODORA SAGITTIFERA, n.sp.

♀. 10 mm. Head, thorax and palpi whitish-fuscous, apex of second joint with a broad band of fuscous beneath. Antennæ fuscous. Abdomen whitish-fuscous, whiter on sides, 2 basal segments ochreous, anal tuft whitish. Anterior legs fuscous, tibiæ and tarsi obscurely ringed with whitish; middle and posterior pair ochreous. Forewings elongate, narrow, apex pointed; dull ochreous; a fine white costal streak, from base to  $\frac{2}{3}$ ; a fine whitish longitudinal streak from base along fold, curved up along end of cell, and continued obscurely to apex; rest of wing marked with fine blackish longitudinal lines, giving the appearance of alternate ochreous and blackish lines: cilia fuscous, with some black scales throughout. Hindwings with apex pointed, terminally sinuate beneath apex; greyish fuscous; cilia greyish-fuscous, ochreous at base, costal cilia greyish-fuscous, ochreous at base.

Broken Hill, N.S.W.; two specimens, in October.

Not unlike specimens of *Batrachedra crypsigramma*, Lower, but the shape of the hindwings distinguishes it immediately.

##### GELECHIA MELANARTHRA, n.sp.

♀. 10 mm. Head, thorax, palpi and antennæ whitish-ochreous, palpi smooth, patagia ochreous-whitish, tip of terminal joint of palpi black, antennæ  $\frac{3}{4}$ , obscurely annulated with fuscous above, basal joint blackish above. Abdomen greyish. Legs ochreous.

Forewings elongate, narrow, pointed; ochreous, with a few obscure fuscous scales; costal edge narrowly dark fuscous to middle; a fine black line along fold, ending on inner margin at  $\frac{2}{3}$ ; an obscure fuscous line along inner margin, from near base to  $\frac{1}{3}$ ; some black scales at apex: cilia ochreous, mixed with some black scales. Hindwings with apex strongly produced, termen emarginate; pale fuscous; cilia greyish-ochreous.

Broken Hill, N.S.W.; one specimen, in October.

*GELECHIA HELIOCHARES*, n.sp.

♂. 14 mm. Head, thorax, and palpi ferruginous-fuscous, thorax with a large whitish posterior spot, palpi whitish internally, terminal joint whitish, with an ochreous subapical ring. Antennæ dark fuscous, annulated with white, dentate, shortly ciliated. Abdomen dark fuscous. Legs dark fuscous, tibiae and tarsi irregularly ringed with whitish. Forewings elongate, moderate, narrow, costa hardly arched, nearly straight, apex somewhat pointed, hindmargin very oblique; reddish-fuscous; a narrow oblique ochreous fascia, from  $\frac{1}{5}$  costa to  $\frac{1}{5}$  inner margin, not quite reaching inner margin, anterior edge well defined, posterior edge suffused, followed by some ochreous scales in disc, on which is placed a minute black dot; a narrow inwardly oblique ochreous fascia, from  $\frac{3}{4}$  costa to  $\frac{3}{4}$  inner margin, somewhat inflated on middle, and there containing a minute black dot; a small ochreous spot on costa before apex: cilia ferruginous-fuscous, around anal angle ochreous. Hindwings with apex acute, hindmargin oblique, gently sinuate beneath apex; fuscous; cilia ochreous.

Parkside and Semaphore, S.A.; five specimens, in December.

*GELECHIA HELIOPA*, n.sp.

♂♀. 8-11 mm. Head, thorax, palpi and antennæ ochreous, fuscous-tinged, second joint of palpi grooved. Antennæ faintly annulated with fuscous. Abdomen greyish-ochreous, middle segments orange-yellow, segmental margins silvery-white. Legs

whitish, tibiae and tarsi fuscous, tarsi with whitish rings. Forewings elongate, moderate, costa gently arched, apex round-pointed; ochreous, slightly fuscous-tinged, with darker irregular spots throughout, obscure and sometimes hardly traceable, not forming definite markings: cilia ochreous. Hindwings with apex pointed, hindmargin sinuate beneath apex; light fuscous: cilia light fuscous, with an ochreous basal line.

Broken Hill, N.S.W.; four specimens, in October.

*YPSOLOPHUS CHLORANTHES*, n.sp.

♂♀. 8 mm. Head, thorax, antennae and palpi pale ochreous, terminal  $\frac{2}{3}$  of antennae fuscous, second joint of palpi beneath somewhat fuscous. Abdomen fuscous. Legs ochreous-whitish, anterior pair fuscous-tinged. Forewings elongate, moderate, costa nearly straight, apex somewhat pointed, hindmargin oblique; pale ochreous, along costal edge somewhat whitish; extreme base of costa obscurely blackish; a fine black dot in middle, above anal angle: cilia pale ochreous. Hindwings with apex pointed, termen sinuate; light fuscous; cilia light ochreous.

Broken Hill, N.S.W.; five specimens, in October and November.

*YPSOLOPHUS MACROSEMUS*, n.sp.

♂♀. 8-10 mm. Head and palpi whitish, second joint of palpi fuscous beneath, apical half of terminal joint blackish. Antennae fuscous-whitish. Thorax whitish, patagia reddish-fuscous. Abdomen dark fuscous, three basal segments orange-yellow. Legs whitish, anterior pair somewhat infuscated. Forewings elongate, moderate, costa nearly straight, apex round-pointed, hindmargin oblique; whitish, more or less mixed with fuscous and ferruginous, median area of wing darkest; an elongate black mark along lower edge of cell, at about  $\frac{1}{3}$  from base, sometimes edged below with ferruginous; a small, sharply defined blackish line, on hindmargin beneath apex: cilia greyish-ochreous, becoming greyish-fuscous on costa and apical third of hindmargin. Hindwings with hindmargin emarginate, apex pointed; fuscous; cilia ochreous.



Broken Hill, N.S.W.; ten specimens, at light, in October.

Allied to *tetrachrous* and its allies, but distinguished from those species by the well defined elongate black mark along cell.

#### ELACHISTIDÆ.

##### BATRACHEDRA CRYPSINEURA, n.sp.

♂. 9 mm. Head, thorax, palpi and antennæ white, antennæ obscurely annulated with fuscous, second joint of palpi infuscated at apex. Legs whitish, anterior pair infuscated. Abdomen dull fuscous, strongly mixed with whitish. Forewings elongate, narrow, pointed; dull ochreous-whitish, mixed with light fuscous, veins more or less obscurely outlined with whitish; a fine white line along costa, from base to beyond middle, partially edged below with a fine black line; a second similar white line in middle of disc; a third along fold; second and third lines dusted with a few minute blackish dots: cilia grey-whitish. Hindwings linear-lanceolate; whitish; cilia 5, whitish.

Broken Hill, N.S.W.; three specimens, in October.

##### PYRODERCES THERMOPHILA, n.sp.

♂♀. 7-9 mm. Head, antennæ and palpi ochreous-whitish, antennæ somewhat annulated with fuscous, terminal joint of palpi fuscous. Thorax fuscous, patagia shining whitish-ochreous. Abdomen and legs greyish-ochreous, somewhat shining. Forewings lanceolate; dull ochreous-whitish; four irregular, moderately straight-edged dark fuscous transverse fasciæ; first basal, outer edge somewhat angulated outward, from  $\frac{1}{6}$  costa to  $\frac{1}{6}$  inner margin; second oblique, broken in middle, from before middle of costa to about middle of inner margin; third broad, from  $\frac{3}{4}$  of costa to before anal angle; fourth apical: cilia greyish, with a blackish spot at apex. Hindwings linear-lanceolate; light fuscous; cilia light fuscous, becoming ochreous at base.

Broken Hill, N.S.W.; six specimens, at light, in March.

## SYNTOMACTIS OXYPTERA, n.sp.

♂. 8 mm. Head, palpi and thorax ashy-grey-whitish, terminal joint of palpi with two white rings, below and above middle. Legs whitish. Abdomen dark fuscous, with greyish segmental rings. Forewings elongate-lanceolate; ashy-grey-whitish; markings ill-defined; a fuscous spot on inner margin before middle, edged anteriorly by a clear streak of whitish; a black spot above anal angle, and two or three along costa towards apex, where the groundcolour becomes fuscous-tinged: cilia greyish, with a fuscous tooth at apex. Hindwings lanceolate, narrow; greyish; cilia 3, greyish, ochreous-tinged at base.

♀. 8-10 mm. Head, thorax, antennæ, palpi, abdomen and legs dark fuscous, palpi with two whitish rings on terminal joint, above and below middle, legs mixed with whitish, abdomen with a patch of fine metallic scales in middle, beneath whitish. Forewings formed as in ♂; dark fuscous; all markings lost, excepting the oblique white streak preceding the fuscous spot on inner margin: cilia fuscous. Hindwings as in ♂.

Broken Hill, N.S.W.; nine specimens, in October.

## SYNTOMACTIS XENONYMPHA, n.sp.

♂♀. 8-10 mm. Head, palpi and thorax white. Antennæ greyish, basal joint white. Legs white, slightly infuscated. Abdomen in ♂ metallic-blackish, clothed with fine white hairs, except on basal segment, beneath white; in ♀ greyish-white, whitish beneath, anal tuft ochreous-whitish. Forewings elongate-lanceolate, apex pointed; white, very finely dusted with fuscous; three faint fuscous dots, in a longitudinal series, usually absent; first at  $\frac{1}{3}$  from base; second, just beyond, and third above anal angle: cilia whitish-ochreous, with a few blackish scales. Hindwings narrow, lanceolate-linear; pale fuscous in ♀, in ♂ with a broad longitudinal streak of black scales along inner margin; cilia 4, ochreous, becoming paler on terminal third.

Broken Hill, N.S.W.; not uncommon, during April and October.

The curious hindwing of the ♂ is a special characteristic.

*SYNTOMACTIS CHIONOMERA*, n.sp.

♂♀. 8-10 mm. Head, palpi, antennæ, thorax, legs and abdomen dull white, palpi beneath light ochreous-fuscous, thorax fuscous in middle, abdomen beneath white, in ♀ the abdomen has a metallic patch of scales in middle. Forewings narrow, elongate-lanceolate, apex pointed; dull whitish, in ♀ faintly ochreous in disc; a few scattered black scales below middle, not forming definite markings; the underside of forewings of ♀ has a large distinct black spot, just before apex: cilia ochreous-whitish. Hindwings lanceolate-linear; whitish; cilia  $3\frac{1}{2}$ , whitish.

Broken Hill, N.S.W.; several specimens, in October.

Although an obscurely coloured species, it is easily recognised, especially the ♀, by the curious black spot on underside of forewings.

*TINEIDÆ*.

*ZELLERIA CREMNOSPILA*, n.sp.

♂. 10 mm. Head, thorax, antennæ, palpi, legs and abdomen dull whitish, anterior legs fuscous. Forewings elongate, narrow, costa gently arched, apex pointed; pale slaty-grey-whitish, with some fine scattered black scales, not forming definite markings, but more developed above inner margin, beneath costa, and around apex; a larger well defined black spot above anal angle: cilia silvery-grey, with black scales at base. Hindwings elongate-lanceolate; greyish; cilia whitish.

Port Victor, S.A.; three specimens, in November.

*ZELLERIA HEMIXIPHA*, n.sp.

♀. 16 mm. Head ashy-grey-whitish. Thorax fuscous, patagia whitish. Palpi white, second joint fuscous on sides, terminal joint infuscated. Antennæ white, annulated with fuscous, basal joint

white, blackish above. Abdomen greyish-ochreous. Legs fuscous-whitish, anterior pair darker. Forewings elongate, narrow, costa moderately arched, apex acute, somewhat produced, hindmargin and inner margin continuous, nearly straight; white, suffusedly irrorated with ashy-grey, so as to appear ashy-grey-whitish, except a streak along costa, from  $\frac{1}{5}$  to  $\frac{3}{4}$ , posteriorly suffused into ground-colour; a suffused dark fuscous line along upper margin of cell, more pronounced in middle; a similar line along fold; an obscure fuscous dot at end of cell, and a larger spot on fold at  $\frac{1}{3}$  from base: cilia greyish-fuscous, at apex mixed with ashy-grey-whitish; and an obscure whitish streak. Hindwings lanceolate; grey; cilia nearly  $2\frac{1}{2}$ , ochreous-grey.

Highbury, S.A.; two specimens, in November.

*ZELLERIA LEUCOMORPHA*, n.sp.

♀. 10 mm. Head, thorax, palpi, antennæ and legs white, palpi slightly infuscated. Abdomen pale whitish-ochreous. Forewings elongate, narrow, costa gently arched, apex acute, hindmargin and inner margin continuous, nearly straight; whitish, faintly irrorated with light fuscous throughout, except on margins: cilia whitish-ochreous, mixed with fine black points around apical portion. Hindwings narrow, lanceolate; whitish-ochreous; cilia ochreous-whitish.

Parkside, S.A.; one specimen, in December.

*BLABOPHANES STICHOMELA*, n.sp.

♀. 16 mm. Head, palpi and antennæ ochreous-yellow, second joint of palpi fuscous at apex, blackish at base. Antennæ ochreous, annulated with blackish. Thorax blackish, collar and patagia ochreous. Abdomen greyish. Legs ochreous-fuscous. Forewings elongate, moderate, costa gently arched, apex rounded, hindmargin obliquely rounded; dark fuscous; a moderately broad ochreous costal streak, from base to just beyond middle, with a well marked small black spot at base; and 3 or 4 irregular, somewhat obscure,

black spots along its lower extremity; a small blackish mark on costa at extremity of streak, and another, less distinct, at  $\frac{5}{6}$ , groundcolour between, obscurely ochreous; an obscure ochreous tooth at apex; an obscure row of elongate blackish marks along hindmargin, sometimes continued along veins: cilia ochreous-fuscous, narrowly chequered with black. Hindwings greyish; cilia greyish-ochreous.

Parkside and Exeter, S.A.; three specimens, in November and December.